

Converting Colors

$Y_{xy}(42.2177, 0.3209, 0.3353)$

Have a look what the booklet for
Yxy(42.2177, 0.3209, 0.3353)
contains.

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Color

Yxy(42.1793, 0.3214, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	B2ADA8
RGB	178, 173, 168
RGB Percent	70%, 68%, 66%
CMY	0.3020, 0.3215, 0.3412
CMYK	0.00, 0.03, 0.06, 0.30
HSL	30°, 6%, 68%
HSV	30°, 6%, 70%
XYZ	40.3705, 42.1793, 43.0586
YIQ	173.9250, 4.5850, -0.4950

Conversions

Conversions Part 2

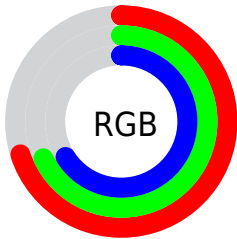
Format	Color
RYB	178, 178, 168
Decimal	11709864
CIELab	70.99, 0.87, 3.19
CIElCh	71, 3.306, 74.705
Yxy	42.1793, 0.3214, 0.3358
Android (android.graphics.Color)	4289899944 (0xFFB2ADA8)
YUV	173.9250, -2.9210, 3.5738
Hunter-Lab	64.9456, -2.6982, 6.1530

Details

The Yxy color **42.1793, 0.3214, 0.3358** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.4219, 0.3042, 0.3221**, and the grayscale version is **42.3010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3069, 0.3201, 0.3343**, and **19.2957, 0.3235, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **38.2675, 0.3386, 0.3485**, and if you desaturate by 10%, it is **46.4122, 0.3064, 0.3239**.

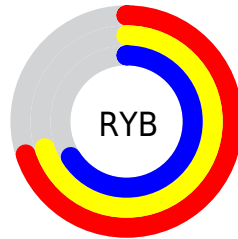
Distribution



Red (70%)

Green (68%)

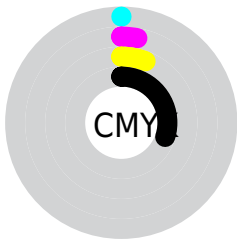
Blue (66%)



Red (70%)

Yellow (70%)

Blue (66%)

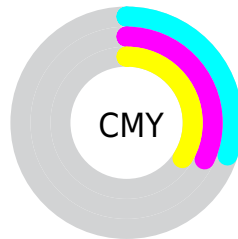


Cyan (0%)

Magenta (3%)

Yellow (6%)

Black (30%)



Cyan (30%)

Magenta (32%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1793, 0.3214, 0.3358 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.1793, 0.3214, 0.3358 by changing the saturation by 10% instead.

■ 42.1793, 0.3214,
0.3358

■ 42.1793, 0.3214,
0.3358

■ 355.2257, 0.3170,
0.3324

■ 29.2417, 0.3225,
0.3367

■ 78.4709, 0.3198,
0.3345

■ 19.2637, 0.3240,
0.3378

■ 102.5937, 0.3192,
0.3341

■ 11.8610, 0.3260,
0.3393

■ 131.2138, 0.3187,
0.3337

■ 6.6491, 0.3288,
0.3415

■ 164.7154, 0.3182,
0.3333

■ 3.2436, 0.3332,
0.3449

■ 203.4830, 0.3179,
0.3330

■ 1.2602, 0.3408,
0.3506

■ 247.9010, 0.3175,

■ 0.1101, 0.5336,

0.3328

0.4664

298.3537, 0.3172,
0.3326

0.0000, 0.0000,
0.0000

42.1793, 0.3214,
0.3358

42.1793, 0.3214,
0.3358

38.2675, 0.3386,
0.3485

46.4122, 0.3064,
0.3239

34.6632, 0.3580,
0.3617

50.9684, 0.2933,
0.3128

31.3599, 0.3799,
0.3751

55.8572, 0.2819,
0.3026

28.3487, 0.4041,
0.3881

61.0856, 0.2719,
0.2932

25.6202, 0.4302,
0.3998

66.5313, 0.2643,
0.2867

■ 23.1644, 0.4574,
0.4093

■ 71.2474, 0.2654,
0.2969

■ 20.9705, 0.4843,
0.4151

■ 76.2141, 0.2666,
0.3070

■ 19.0265, 0.5094,
0.4162

■ 81.4349, 0.2677,
0.3170

■ 17.3184, 0.5311,
0.4121

■ 86.9135, 0.2688,
0.3267

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.1793, 0.3220, 0.3325



42.1793, 0.3214, 0.3358



42.1793, 0.3184, 0.3373

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.1793, 0.3214, 0.3358



42.1793, 0.3054, 0.3296



42.1793, 0.3114, 0.3216

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.1793, 0.3214, 0.3358



41.4219, 0.3042, 0.3221

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.1793, 0.3070, 0.3208



42.1793, 0.3214, 0.3358



42.1793, 0.3035, 0.3254

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.1793, 0.3214, 0.3358



42.1793, 0.3092, 0.3337



42.1793, 0.3041, 0.3222



42.1793, 0.3162, 0.3244

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1793, 0.3214, 0.3358



42.1793, 0.3156, 0.3370



42.1793, 0.3041, 0.3222



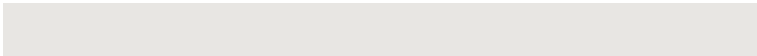
42.1793, 0.3098, 0.3211

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.1811, 0.3214, 0.3358



79.1783, 0.3158, 0.3314



40.4866, 0.3176, 0.3223



17.5600, 0.3156, 0.3313



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1811, 0.3214, 0.3358



75.3923, 0.3238, 0.3377



44.1307, 0.3209, 0.3425



9.3527, 0.3244, 0.3381



12.0287, 0.5383, 0.4108



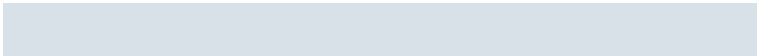
0.4951, 0.4968, 0.4437

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.4219, 0.3042, 0.3221



73.6637, 0.3019, 0.3202



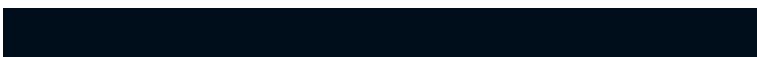
39.5440, 0.3044, 0.3152



9.1279, 0.3014, 0.3197



7.5196, 0.1778, 0.1599



0.3533, 0.1920, 0.2110

Previews

White Background



This preview shows how the Yxy color 42.1793, 0.3214, 0.3358 looks on a white background.

Color Contrast Check

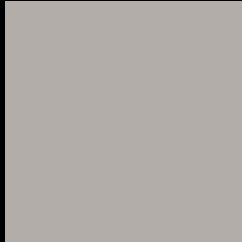
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.1793, 0.3214, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

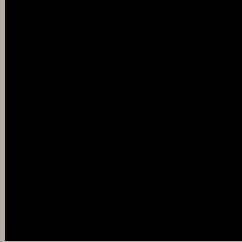
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

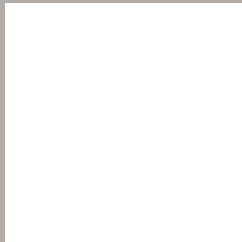
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1793, 0.3214, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 42.1793, 0.3214, 0.3358.



This preview shows how white text looks on a background with the Yxy color 42.1793, 0.3214, 0.3358.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.1793, 0.3214, 0.3358

Protanopia

42.1793, 0.3214, 0.3358

Deuteranopia

42.0763, 0.3342, 0.3278



Tritanopia

42.2898, 0.3100, 0.3118

Trichromacy



Original Color

42.1793, 0.3214, 0.3358

Protanomaly

42.1793, 0.3214, 0.3358

Deuteranomaly

42.1788, 0.3292, 0.3304

Tritanomaly

42.3031, 0.3140, 0.3210

Monochromacy



Original Color

42.1793, 0.3214, 0.3358

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3646, 0.3153, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1793, 0.3214, 0.3358 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(178, 173, 168)` looks like.

```
.text, #text, p{  
    color:rgb(178, 173, 168)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(178, 173, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 173, 168) }
```

Border

The CSS property to change the border of an element to Yxy 42.1793, 0.3214, 0.3358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 173, 168) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(178, 173, 168) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(178, 173, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 173, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 173, 168);  
box-shadow:4px 4px 4px 4px rgb(178, 173,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1793, 0.3214, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 173, 168) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(178,  
173, 168) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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